

CLAIMS:

What is claimed is:

1. A fiber optic adaptor comprising:

a central housing formed of metal, said central housing including a first latch portion having first latch portion side walls, a second latch portion having second latch portion side walls, an internal wall positioned between said first latch portion and said second latch portion, a
5 first latch cavity partially defined by said first latch portion side walls and said internal wall, a second latch cavity partially defined by said second latch portion side walls and said internal wall, and an aperture provided through said internal wall, said aperture providing communication between said first latch cavity and said second latch cavity and said internal wall reducing electromagnetic interference;

10 a first latch for mating with said first latch cavity of said central housing, said first latch including a first fiber passageway partially defined by two spaced apart side walls each said side wall including a cantilevered latch arm which mates with said first latch portion of said central housing; and

15 a second latch for mating with said second latch cavity of said central housing, said second latch including a second fiber passageway partially defined by two spaced apart side walls and aligned with said first fiber passageway, each said side wall including a cantilevered latch arm which mates with said second latch portion of said central housing.

2. A fiber optic adaptor as defined in claim 1, further including apertures provided through each said side wall of said first and second latch portions, a tooth extending outwardly from each said side wall of said first latch for engagement with said apertures through said side walls of said first latch portion and a tooth extends outwardly from each said side wall of said second latch for engagement with said apertures through said side walls of said second latch portion.

3. The adaptor of claim 1, wherein said first latch portion further includes two V-shaped rails for guiding said first latch within said first latch cavity and wherein said second latch portion further includes two V-shaped rails for guiding said second latch within said second latch cavity.

4. The adaptor of claim 1, wherein said first latch portion further includes a U-shaped guiding structure for guiding said first latch within said first latch cavity and wherein said second latch portion further includes a U-shaped guiding structure for guiding said second latch within said second latch cavity.

5. The adaptor of claim 1, wherein each said latch arm further includes an offset finger latch.

6. The adaptor of claim 1, further including a flange extending outwardly from the central housing.

7. The adaptor of claim 1, wherein said aperture through said internal wall is generally rectangularly shaped.

8. The adaptor of claim 1, wherein said internal wall is aligned with said flange.

9. A fiber optic adaptor comprising a plurality of central housing portions formed of metal and first and second latches for mating with each said central housing portion; each said central housing including a first latch portion having first latch portion side walls, a second latch portion having second latch portion side walls, an internal wall positioned between said first

5 latch portion and said second latch portion, a first latch cavity partially defined by said first latch portion side walls and said internal wall, a second latch cavity partially defined by said second latch portion side walls and said internal wall, and an aperture provided through said internal wall, said aperture provides communication between said first latch cavity and said second latch cavity and said internal wall reducing electromagnetic interference;

10 wherein each said first latch includes a first fiber passageway partially defined by two side walls and each said side wall including a cantilevered latch arm; and wherein each said second latch includes a second fiber passageway partially defined by two side walls and aligned with said first fiber passageway, and each said side wall including a cantilevered latch arm.

10. A fiber optic adaptor as defined in claim 9, further including a mounting flange extending outwardly from said plurality of central housing portions and including apertures therethrough for mounting said adaptor.

11. A fiber optic adaptor as defined in claim 9, wherein said internal wall are angled relative to said flange.

12. A fiber optic adaptor as defined in claim 9, wherein each said first fiber passageway and each said second fiber passageway is angled relative to said mounting flange.

13. A fiber optic adaptor as defined in claim 9, further including an aperture through each said side wall of each said first and second latch portions, a tooth extending outwardly from each said side wall of each said first latch for engagement with said aperture through said side walls of each said first latch portion and a tooth extends outwardly from said side walls of each said second latch for engagement with said apertures through said side walls of each said second latch portion.
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14. The adaptor of claim 9, wherein each said first latch portion further includes two V-shaped rails for guiding each said first latch within each said first latch cavity and wherein each said second latch portion further includes two V-shaped rails for guiding each said second latch within each said second latch cavity.

15. The adaptor of claim 9, wherein each said first latch portion further includes a U-shaped guiding structure for guiding each said first latch within each said first latch cavity and wherein each said second latch portion further includes a U-shaped guiding structure for guiding each said second latch within each said second latch cavity.

16. The adaptor of claim 9, wherein each said latch arm further includes an offset finger latch.

17. The adaptor of claim 9, wherein the aperture through each said internal wall is generally rectangularly shaped.